Attorney Docket No.: TS02-1330 (N1085-90137)

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

- 1 1. (Currently Amended) A method to polish down conductive lines in the 2 manufacture of an integrated circuit device, said method comprising: 3 providing a plurality of conductive lines overlying a substrate; depositing a high density plasma (HDP) oxide layer overlying said substrate and 4 5 said conductive lines wherein, in the regions between said conductive lines, first planar 6 surfaces of said HDP oxide layer are formed below the top of said conductive lines; 7 depositing a polish stopping layer overlying said HDP oxide layer; 8 depositing a film layer overlying said polish stopping layer; 9 polishing down said film layer to said polish stopping layer overlying said 10 conductive lines second planar top surfaces; and 11 polishing down said film layer, said polish stopping layer, said HDP oxide layer 12 and said conductive lines to portions of said polish stopping layer overlying said first 13 planar top surfaces to complete said polishing down of said conductive lines. 1 2. (Cancelled) 1 3. (Original) The method according to Claim 1 wherein said conductive lines 2 comprise polysilicon lines. 1 4. (Currently Amended) The method according to Claim 1 wherein said 2 conductive lines comprise n-type polysilicon and further comprising the steps of:
 - depositing a p-type polysilicon layer overlying said oxide layer; and

 <u>patterning pattering</u> said p-type polysilicon layer to form p type polysilicon lines
 that cross over said conductive lines with said oxide layer therebetween.

down said film layer, said polish polishing stop layer, said HDP oxide layer and said

forming an oxide layer overlying said conductive lines after said step of polishing

conductive lines;

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- 5. (Original) The method according to Claim 4 wherein said conductive lines are bit lines and said p-type polysilicon lines are word lines for a non-volatile memory device.
 - 6. (Original) The method according to Claim 5 wherein other said conductive lines are not bit lines but are used to provide a uniform pattern density of said conductive lines across said substrate.
- 7. (Original) The method according to Claim [[1]] <u>42</u> wherein said step of sputtering down said HDP oxide layer comprises bombardment with argon ions.
 - 8. (Original) The method according to Claim 1 wherein said film layer comprises silicon oxide and said polish stopping layer comprises silicon nitride.
 - 9. (Original) The method according to Claim 8 wherein said film layer comprises high density plasma (HDP) oxide.
 - 10. (Original) The method according to Claim 8 wherein said film layer comprises chemical vapor deposited (CVD) oxide.
 - 11. (Currently Amended) A method to polish down polysilicon lines in the manufacture of an integrated circuit device, said method comprising providing a plurality of polysilicon lines overlying a substrate.

Depositing depositing a high density plasma (HDP) oxide layer overlying said substrate and said polysilicon lines wherein, in the regions between said polysilicon lines, first planar top surfaces of said HDP oxide layer are formed below the top of said polysilicon lines;

sputtering down said HDP oxide layer overlying said polysilicon lines such that second planar <u>top</u> surfaces of said HDP oxide layer are formed above said polysilicon lines;

thereafter depositing a polish stopping layer overlying said HDP oxide layer; depositing a film layer overlying said polish stopping layer;

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polishing down said film layer to said polish stopping layer overlying said second planar top surfaces; and polishing down said film layer, said polish stopping layer, said HDP oxide layer and said polysilicon lines to said polish stopping layer overlying said first planar top surfaces to complete said polishing down of said polysilicon lines.

12. (Original) The method according to Claim 11 wherein said polysilicon lines comprise n-type polysilicon and further comprising the steps of

forming an oxide layer overlying said polysilicon lines after said step of polishing down said film layer, said polishing stop layer, and said polysilicon lines;

depositing a p-type polysilicon layer overlying said oxide layer; and patterning said p-type polysilicon layer to form p type polysilicon lines that cross over said n-type polysilicon lines with said oxide layer therebetween.

- 13. (Original) The method according to Claim 12 wherein said n-type polysilicon lines are bit lines and said p-type polysilicon lines are word lines for a non-volatile memory device.
- 14. (Original) The method according to Claim 13 wherein other said n-type polysilicon lines are not bit lines but are used to provide a uniform pattern density of said polysilicon lines across said substrate.
- 15. (Original) The method according to Claim 11 wherein said polysilicon lines further comprise a stack of a second polysilicon layer overlying a first polysilicon layer with a metal silicide layer therebetween
- 1 16. (Original) The method according to Claim 11 wherein said step of sputtering down said HDP oxide layer comprises bombardment with argon ions.
 - 17. (Original) The method according to Claim 11 wherein said film layer comprises silicon oxide and said polish stopping layer comprises silicon nitride.

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- 18. (Original) The method according to Claim 17 wherein said film layer is high density plasma (HDP) oxide CVD oxide.
- 19. (Currently Amended) A method to form anti-fuse memory devices in the manufacture of an integrated circuit device, said method comprising

providing a plurality of n-type polysilicon lines overlying a substrate;

depositing a high density plasma (HDP) oxide layer overlying said substrate and said n-type polysilicon lines wherein, in the regions between said n-type polysilicon lines, first planar top surfaces of said HDP oxide layer are formed below the top of said n-type polysilicon lines;

sputtering down said HDP oxide layer overlying said n-type polysilicon lines such that second planar <u>top</u> surfaces of said HDP oxide layer are formed above said n-type polysilicon lines;

thereafter depositing a polish stopping layer overlying said HDP oxide layer;

depositing a film layer overlying said polish stopping layer;

polishing down said film layer to said polish stopping layer overlying said second planar top surfaces;

polishing down said film layer, said polish stopping layer, <u>said HDP oxide layer</u> and said n-type polysilicon lines to said polish stopping layer overlying said first planar top surfaces to complete said polishing down of said n-type polysilicon lines;

forming a dielectric layer overlying said n-type polysilicon lines;

depositing a p-type polysilicon layer overlying said dielectric layer; and

patterning said p-type polysilicon layer to form p-type polysilicon lines that cross

over said n-type polysilicon lines with said oxide layer therebetween to thereby

complete said anti-fuse memory devices.

20. (Original) The method according to Claim 19 wherein said n-type polysilicon lines are bit lines and said p-type polysilicon lines are word lines for a non-volatile memory device. `++

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- 21. (Original) The method according to Claim 19 wherein other said n-type polysilicon lines are not bit lines but are used to provide a uniform pattern density of said n-type polysilicon lines across said substrate.
- 22. (Currently Amended) The method according to Claim 19 wherein said <u>n-type</u> polysilicon lines further comprise a stack of a second polysilicon layer overlying a first polysilicon layer with a metal silicide layer therebetween.
- 23. (Original) The method according to Claim 19 wherein said step of sputtering down said HDP oxide layer comprises bombardment with argon ions.
- 24. (Original) The method according to Claim 19 wherein said dielectric layer comprises silicon oxide or silicon nitride.
- 25. (Original) The method according to Claim 19 wherein said film layer comprises silicon oxide and said polish stopping layer comprises silicon nitride.
- 26. (Original) The method according to Claim 25 wherein said film layer comprises high density plasma (HDP) oxide.
- 1 27. (Original) The method according to Claim 25 wherein said film layer comprises chemical vapor deposited (CVD) oxide.
- 1 Claims 28 to 41 (Cancelled).
 - 42. (Previously Pending) The method as claimed in claim 1, further comprising a step of sputtering down said HDP oxide layer overlying said conductive lines before depositing the polish stopping layer such that second planar surfaces of said HDP oxide layer are formed above said conductive lines.